

IN THE CLAIMS

This listing of claims will replace all prior versions, and
listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An apparatus comprising an optical input device controlled by a moving object near a window and an optical keyboard, which input device comprises at least one optical sensor unit comprising a diode laser for supplying a measuring beam and converting means for converting measuring beam radiation reflected by the object into an electric signal, which converting means are constituted by the combination of a laser cavity and measuring means for measuring changes in operation of the laser cavity, which are due to interference of reflected measuring beam radiation re-entering the laser cavity and the optical wave in this cavity and which are representative of the movement of the object, wherein a path of the measuring beam from the diode laser to the window extends through a light guide of the optical keyboard, said

light path including at least three mirrors.

2. (Previously Presented) The apparatus as claimed in claim 1, wherein the input device comprises two sensor units, which are arranged relative to the optical keyboard such that the measuring beam of the first and second sensor unit passes on its way to the device window the positions of a first set of keys and the positions of a second set of keys, respectively, the first set and the second set together comprising all keys to be controlled.

3. (Previously Presented) The apparatus as claimed in claim 1, wherein the input device comprises three sensor units, which are arranged relative to the optical keyboard such that the measuring beam of the first, the second and the third sensor unit passes on its way to the device window the positions of a first, a second and a third set of keys, respectively, the first, second and third set comprising all keys to be controlled.

4. (Previously Presented) The apparatus as claimed in claim 1, wherein the input device comprises a sensor unit adapted to measure

both a scroll movement and a click movement and provided with additional means, which allow establishing the presence of an object on the window of the device.

5. (Previously Presented) The apparatus as claimed in claim 4, wherein the additional means are constituted by means for establishing whether the modulated measuring beam radiation shows an amplitude variation of a frequency lower than the frequencies of variations caused by a scroll movement.

6. (Previously Presented) The apparatus as claimed in claim 5, wherein the said sensor unit comprises a first radiation-sensitive detector for measuring variations in the laser cavity, wherein the additional means is constituted by a second radiation-sensitive detector arranged for receiving measuring beam radiation, which is non-incident on the laser cavity.

7. (Previously Presented) The apparatus as claimed in claim 4, wherein the additional means are constituted by electronic means for detecting a component in the output signal of said measuring

means.

8. (Previously Presented) The apparatus as claimed in claim 4, wherein said sensor unit is activated by activation pulses and the measuring means perform measurements during time intervals determined by the activation pulses, wherein the additional means comprises counting means and comparing means to establish whether the number of undulations in the output signal measured during a first and second half of a said time interval are equal.

9. (Previously Presented) The apparatus as claimed in claim 1, wherein the measuring means of the input device are means for measuring a variation of the impedance of the laser cavity.

10. (Previously Presented) The apparatus as claimed in claim 1, wherein the measuring means is a radiation-sensitive detector for measuring radiation emitted by the laser.

11. (Previously Presented) The apparatus as claimed in claim 5, wherein the radiation-sensitive detector is arranged at the rear

side of the laser cavity.

12. (Previously Presented) The apparatus as claimed in claim 6, wherein the second detector is arranged at the side of the laser cavity where the measuring beam is emitted.

13. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a mobile phone.

14. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a cordless phone.

15. (Currently Amended) The apparatus as claimed in claim 1, wherein the apparatus is a laptop ~~compute~~ computer.

16. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a hand-held computer.

17. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a keyboard for a desk computer.

18. (Previously Presented) The apparatus as claimed in claim 1, wherein the apparatus is a remote control for a TV set.

19. (Previously Presented) An apparatus having an optical input device controlled by a moving object near a window, the optical input device comprising at least one optical sensor unit including a diode laser for supplying a measuring beam and converting means for converting a reflected beam reflected by the moving object into an electric signal, wherein a path of the measuring beam from the diode laser to the window includes at least three mirrors.

20. (Previously Presented) An optical input device controllable by a moving object near a window, the optical input device comprising:

 a diode laser for supplying a measuring beam for reflection from the moving object; and

 a detector configured to convert a reflected beam reflected by the moving object into an electric signal, wherein a path of the

measuring beam from the diode laser to the window includes at least three mirrors.